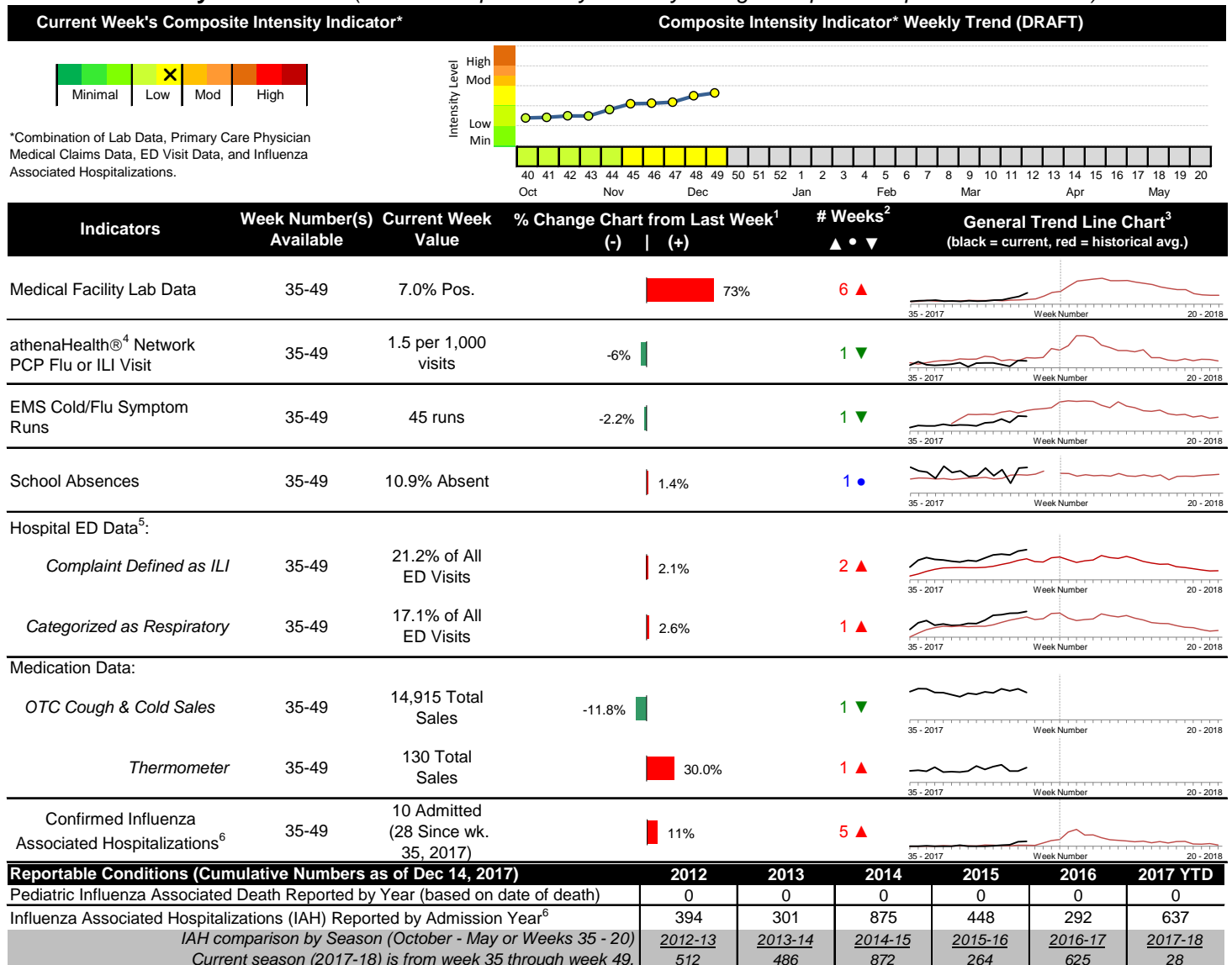


2017-2018 Columbus & Franklin County Seasonal Influenza Activity Weekly Summary (Week 49, Dec. 3rd, 2017– Dec. 9th, 2017)

Highlights

- In week 49 of 2017, the individual local flu activity indicator values were mixed compared to last week. As a whole, flu intensity (composite indicator) increased. Notable increases in the past few weeks include percent lab positives and number of influenza-associated hospitalizations.
- Geographic spread and local intensity designation (Click [here](#) for definitions) = WIDESPREAD, LOW
- Local medical facility labs reported 1,378 tests run with 93 (6.7%) positive results for week 49 of 2017.
- The percentage of ED visits for both influenza-like-illness (ILI) and respiratory symptom increased slightly compared to last week. The percentage of ED visits for both ILI and respiratory symptoms were above their respective baseline averages for the week.
- In week 49 of 2017, trends for categories of local over-the-counter medication sales tracked were mixed (increase in electrolyte, thermometer, pediatric anti-fever, and adult anti-fever sales; decrease in cough and cold and throat lozenge sales; stable chest rub sales) compared to last week.
- Nationally, influenza activity increased in week 49. Please [visit the CDC website for specific information](#) (National data is usually updated on Friday of each week).

Local Flu Activity Dashboard *(All data are preliminary and may change as updated reports are received.)*



¹Interpret with caution. Indicators with small numbers subject to large weekly percentage fluctuations.

²Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "●" = Stable (-2% to +2%).

³Black line is current years data. Based on data availability, red line is historical average (excluding pandemic year).

⁴Data Source: Medical claims data from athenaHealth® (www.athenahealth.com). Rate of Flu or ILI visits to Franklin County, OH athenaHealth® network primary care practices/physicians. Claims data are subject to filing and processing time lags. Historical data are updated when they are received.

⁵Franklin County, OH residents only (based on zipcode). NOTE: Excludes one hospital system included in the past due to technical changes affecting visit classification assignment and numbers.

⁶Confirmed cases only. Based on jurisdiction equal to Franklin County or City of Columbus and admission date available in ODRS.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

In week 49, the preliminary local influenza and influenza-like-illness (ILI) visit rate to athenaHealth® providers (1.5per 1,000 visits) decreased compared to the previous week and is close to its baseline average for the week (Figure 1). The week 49 percentage of all Emergency Department (ED) visits categorized as ILI increased slightly compared to the previous week (Figure 3) and is above its historic baseline for the week.

Nationally, during week 49 of 2017, 2.7% of patient visits reported through ILINet were due to influenza-like illness (ILI). The percentage is above the national baseline of 2.2% for week 49.

Laboratory Surveillance

During week 49 of 2017, reporting Franklin County sentinel medical facility laboratories tested 1,378 specimens, with 93 (6.7%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2017 through week 49 of 2017 is 12,917 with 240 (1.9%) positives (185 type A, 53 type B, 1 type A and B, 1 type unknown).

Nationally in week 49 of 2017, clinical laboratories reported 19,326 specimens tested for influenza viruses, 1,633 (8.4%) of which were positive (1,343 type A, 290 type B). Public health laboratories reported testing 1,411 specimens, 562 of which were positive (500 type A – of which 26 were A(H1N1)pdm09, 464 were A/H3, and 10 were not subtyped; 61 type B – of which 34 were Yamagata lineage, 1 were Victoria lineage, and 27 where lineage was not performed). Please visit the CDC website for more information, including cumulative data.

In week 49, Ohio clinical labs reported 13,501 specimens tested for influenza this season thus far. Positive results include: (1) A(H1N1)pdm09; (21) A/H3N2; (195) Flu A Not Subtyped, and (49) Flu B (through 12/9/17). In week 49, ODH Public Health Lab reported 44 specimens tested for influenza from various submitters this season thus far. Positive results include: (1) A(H1N1)pdm09; (27) A/H3N2; (1) Influenza B (through 12/9/17). Please visit the ODH website for more information.

ED Respiratory Visits

In the 49th week of 2017, the percentage of all ED visits categorized as respiratory increased slightly compared to the percentage seen the previous week and is above its historic baseline for the week (Figure 5).

Over-the-Counter (OTC) Medication Sales

In week 49 of 2017, trends for categories of local over-the-counter medication sales tracked were mixed (increase in electrolyte, thermometer, pediatric anti-fever, and adult anti-fever sales; decrease in cough and cold and throat lozenge sales; stable chest rub sales) compared to last week.

Additional Influenza Activity Web Links:

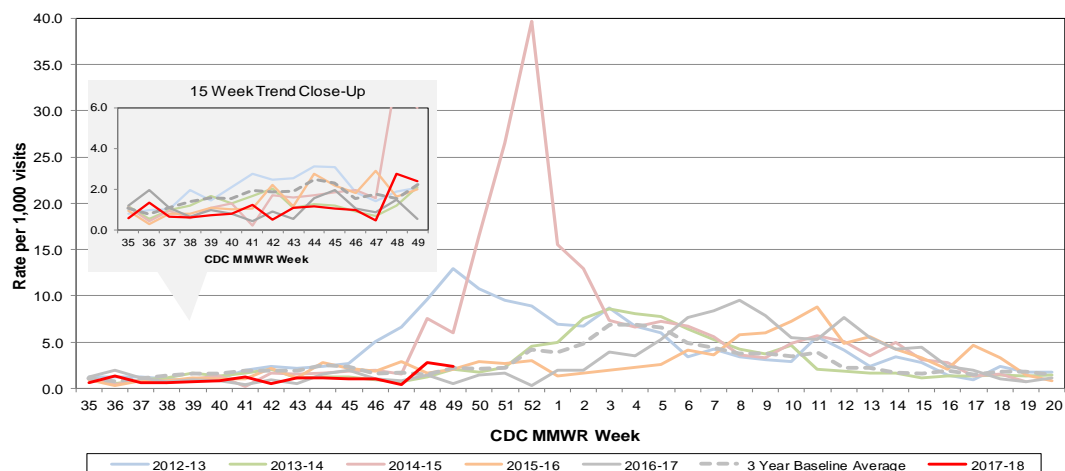
Ohio Seasonal Flu Surveillance: <http://www.odh.ohio.gov/seasflu/Ohio%20Flu%20Activity.aspx>

CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/>

World Health Organization Situation Updates: http://www.who.int/influenza/surveillance_monitoring/en/

Columbus & Franklin County Influenza Monitoring Summary – Week 49, 2017 (12/3/2017-12/9/2017)

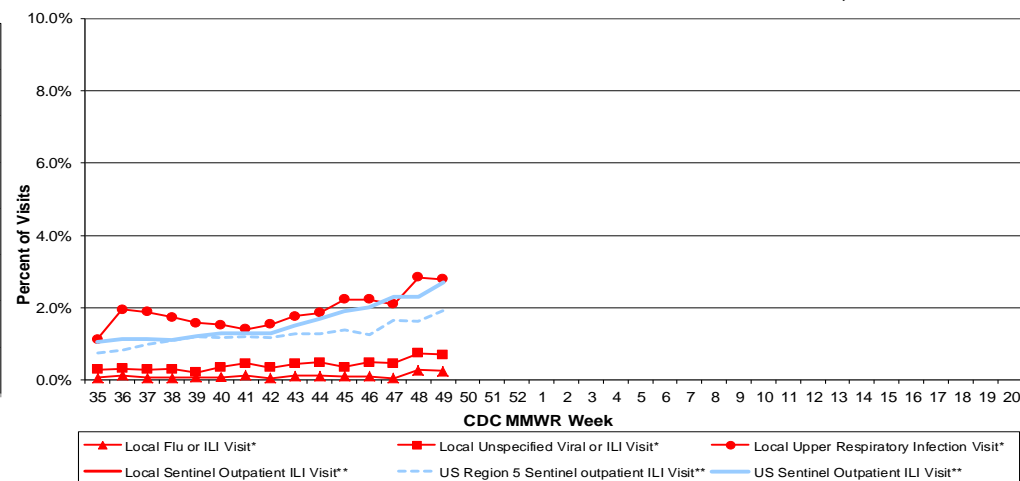
Figure 1: Local Participating Outpatient Primary Care Provider Influenza or Influenza-Like-Illness Visit Rate*, Franklin County, OH



*Source: Medical Claims data from athenaHealth®

Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

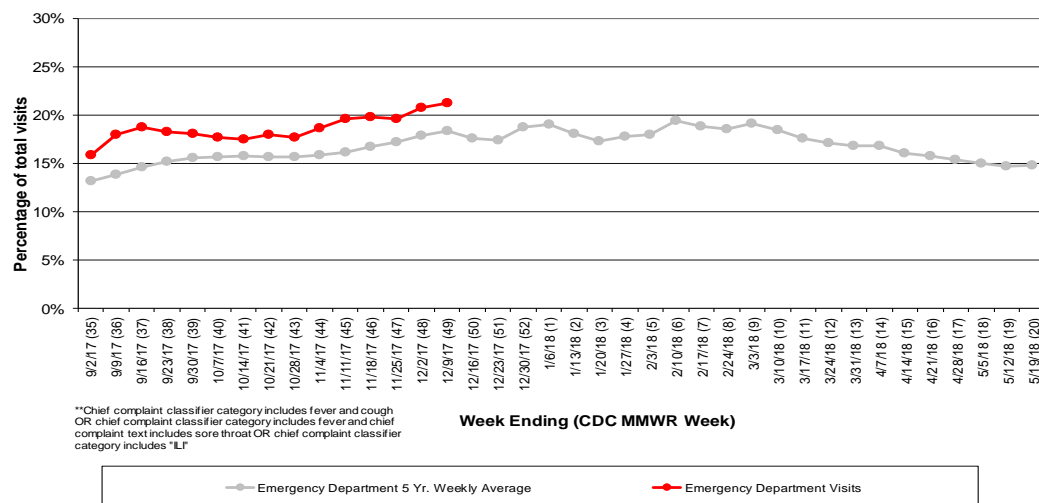
Figure 2: Percentage of Local Outpatient Participating Provider* and CDC National Outpatient Sentinel Health Care Provider Site visits for ILI and Associated Illnesses, 2017-18**



*Source: Local medical claims data provided by athenaHealth®. Data are subject to filing and processing time lags. Historical data are updated when received.

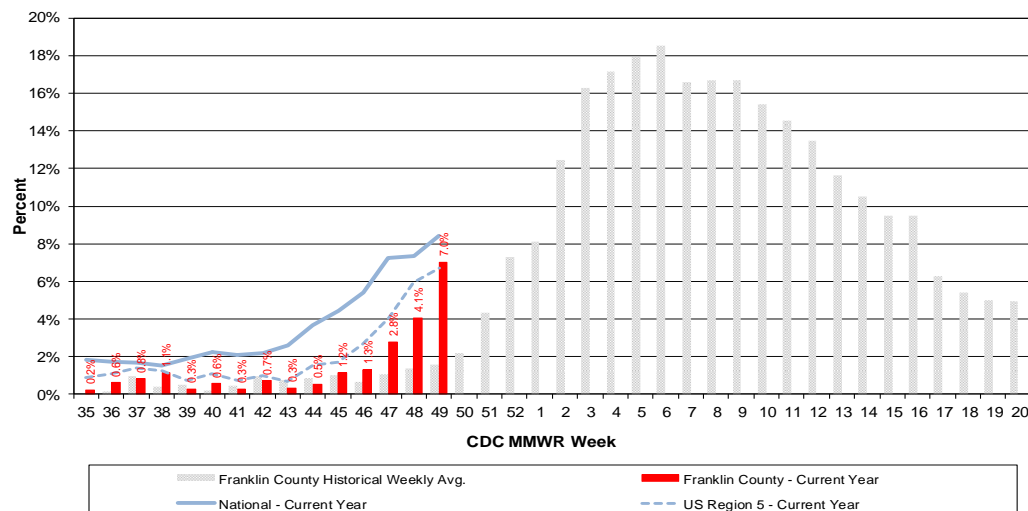
**Source: U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) sentinel provider visits

Figure 3: Franklin County Resident ILI Defined ED Visits, 2017-18, Franklin County, OH**



**Chief complaint classifier category includes fever and cough OR chief complaint classifier category includes fever and chief complaint text includes sore throat OR chief complaint classifier category includes "ILI"

Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2017-18



Columbus & Franklin County Influenza Monitoring Summary – Week 49, 2017 (12/3/2017-12/9/2017)

Figure 5: Franklin County Resident Respiratory ED Visits, 2017-18, Franklin County, OH

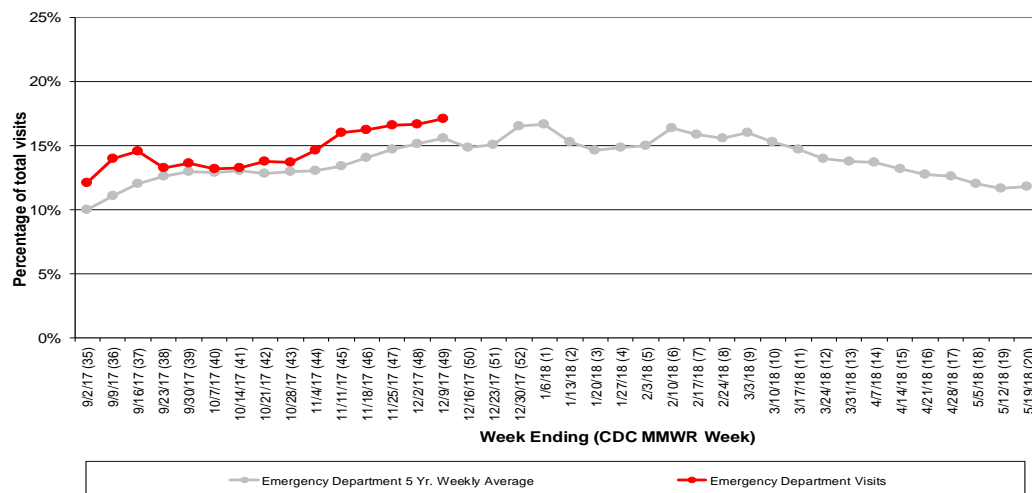


Figure 6: Selected Number of Over-the-Counter Medication Sales, 2017-18, Franklin County, OH

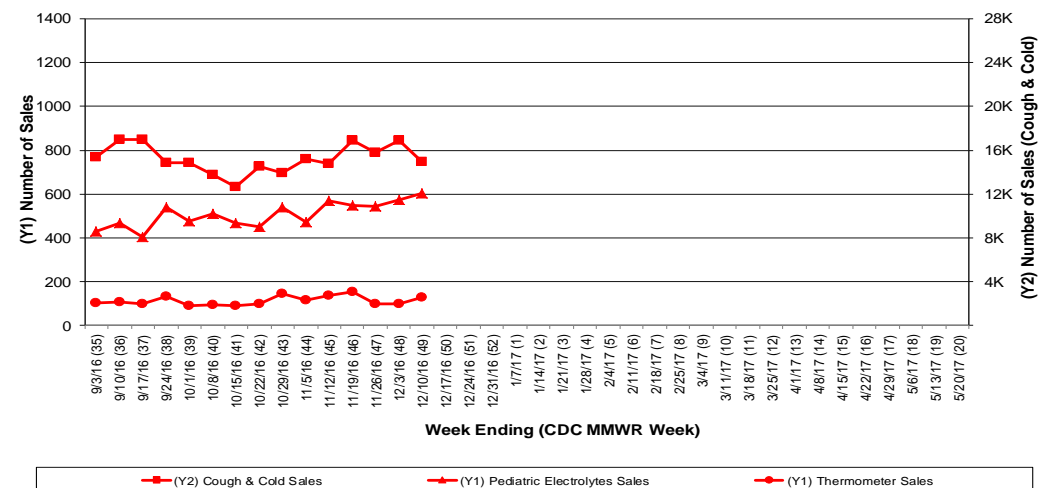
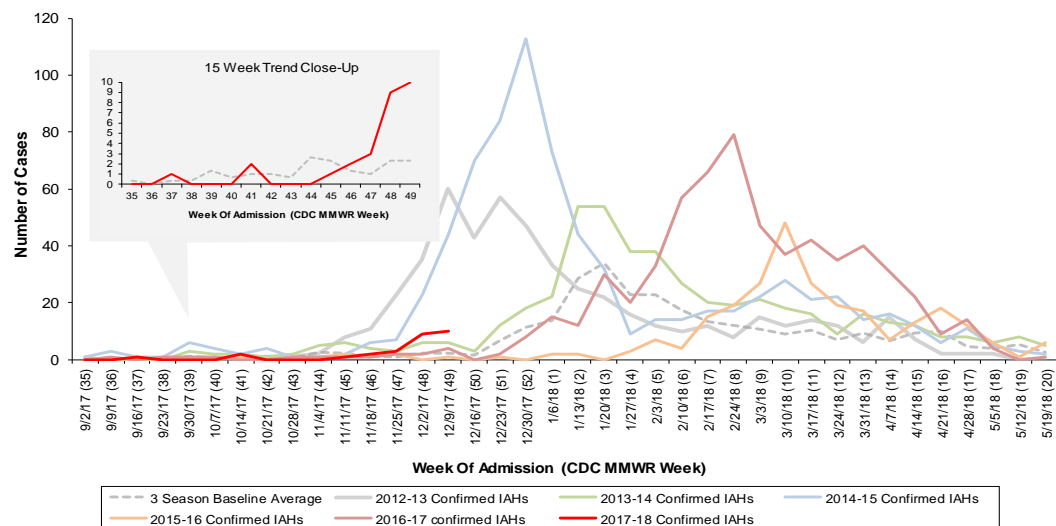


Figure 7: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 12/14/2017)



Franklin County, OH, Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Admission Week, 2017-2018 Season

